

Docket No.: RPL-0024

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :
:
Jae Sung KIM :
:
Serial No.: New U.S. Application : Group Art Unit: Unassigned
:
Confirm. No.: Unassigned : Examiner: Unassigned
:
Filed: December 28, 2001 :
For: PLASMA DISPLAY PANEL

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D. C. 20231

Sir:

Prior to initial examination on the merits, please amend the above-identified application
as follows:

IN THE SPECIFICATION:

Please amend the specification by replacing paragraphs as follows:

A. Specification Paragraphs With Mark-ups to Show Changes Made

The following are mark-ups to show changes made to paragraphs 12-14:

[12] After that, if discharge voltage above 150V is supplied to the corresponding common sustain electrode X and scan sustain electrode Y, sustain discharge is generated between the common sustain electrode X and the scan sustain electrode Y in the corresponding cell.

[[12]] [13] That is, the electric discharge between the electrodes generates electric field inside the cell, and thereby a small amount of electrons in discharge gas are accelerated. The accelerated electrons and neutral particles in gas come into collision, thereby being ionized into electrons and ions. The ionized electrons come into collision with neutral particles, and the neutral particles are rapidly ionized into electrons and ions, so that the discharge gas is made into a plasma condition, and at the same time, vacuum ultraviolet rays are generated.

[[13]] [14] The generated ultraviolet rays excite the fluorescent layers 23 to generate visible rays. If the generated visible rays are emitted to the outside through the front panel 10, the emission of the arbitrary cell, i.e., the image display may be recognized from the outside.

[[14] After that, if discharge voltage above 150V is supplied to the corresponding common sustain electrode X and scan sustain electrode Y, sustain discharge is generated between the common sustain electrode X and the scan sustain electrode Y in the corresponding cell.]

B. Clean Specification Changes

Please replace paragraphs 12-14 as follows:

[12] After that, if discharge voltage above 150V is supplied to the corresponding common sustain electrode X and scan sustain electrode Y, sustain discharge is generated between the common sustain electrode X and the scan sustain electrode Y in the corresponding cell.

[13] That is, the electric discharge between the electrodes generates electric field inside the cell, and thereby a small amount of electrons in discharge gas are accelerated. The accelerated electrons and neutral particles in gas come into collision, thereby being ionized into electrons and ions. The ionized electrons come into collision with neutral particles, and the neutral particles are rapidly ionized into electrons and ions, so that the discharge gas is made into a plasma condition, and at the same time, vacuum ultraviolet rays are generated.

[14] The generated ultraviolet rays excite the fluorescent layers 23 to generate visible rays. If the generated visible rays are emitted to the outside through the front panel 10, the emission of the arbitrary cell, i.e., the image display may be recognized from the outside.

REMARKS

The Specification has been amended. Prompt examination and allowance in due course are respectfully solicited.

Respectfully submitted,
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